

# HOW TO USE YOUR **model c 3**

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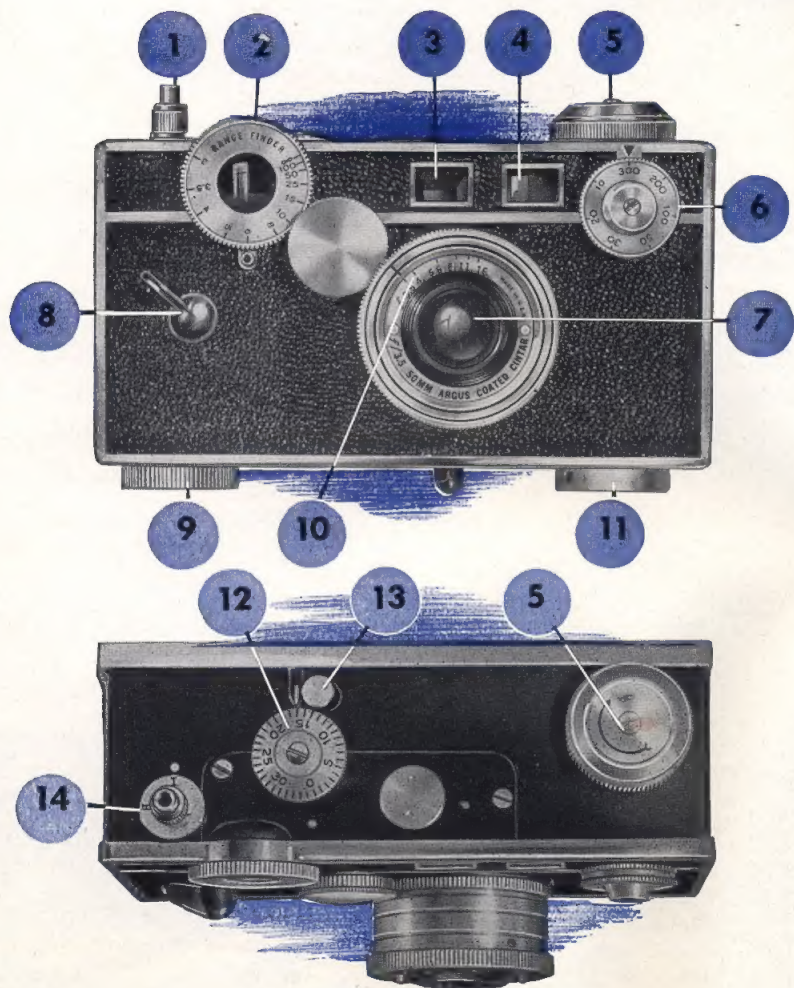
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**ARGUS, INC.**  
ANN ARBOR,  
MICHIGAN



# argus



# **model C3**

Argus Model C3 is America's most popular 35 mm. Flash Camera. Combining the three most wanted features: coupled range-finder, factory synchronized flash, and coated f 3.5 lens, it will perform well for you indoors or out, in fair weather or foul. The advanced design incorporates features to help you obtain good pictures in black and white or color. It is a precision instrument and should receive the care accorded a fine watch, though it is rugged in construction and will give you years of picture-making enjoyment. To obtain the utmost from your Argus Model C3 read this instruction book carefully so you will thoroughly understand its operation.

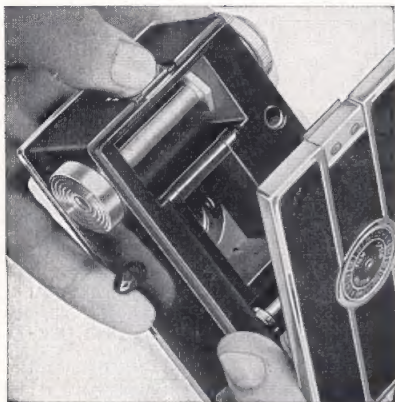
- |                              |  |
|------------------------------|--|
| <b>1 Shutter Release</b>     | <b>8 Shutter Setting Lever</b>           |
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# LOADING

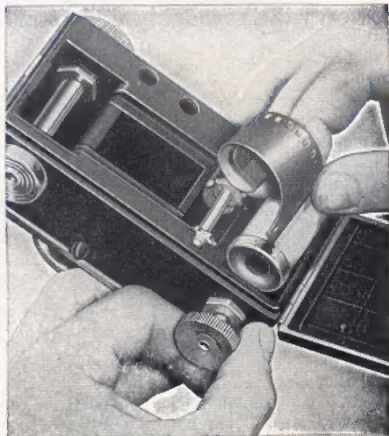
**1**

Open the camera by depressing the catch at one end of the camera.



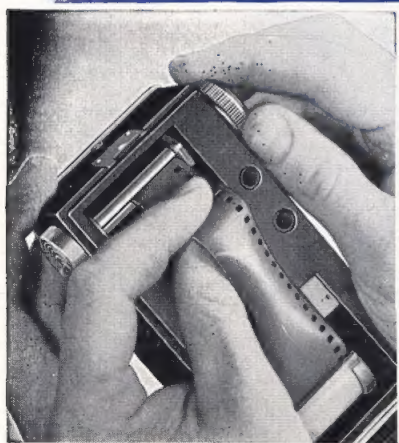
**2**

Pull out rewind knob on the bottom of the camera, and insert the 35 mm. film cartridge.



**3**

Push rewind knob in (it may be necessary to turn it slightly).



**4**

Thread end of film in the slot on the take-up spindle.

**5**

Give the winding knob a couple of turns to make sure film is secure on take-up spindle.



**6**

Close camera back, making sure the locking catch is securely fastened.







**7**

Turn winding knob as far as it will go without forcing. Hold down film catch, and turn winding knob slightly. Release film catch and wind as far as knob will turn. Repeat this operation twice to take up film leader.

**8**

Set exposure counter dial by turning it counter-clockwise (to the left) until "O" is opposite index line. The camera is now ready for the first picture.



## There are four steps to taking pictures with Model C3:

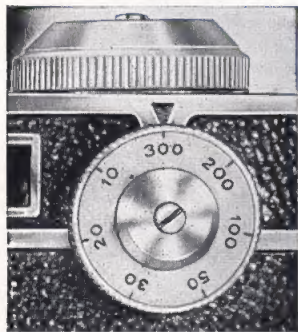
**S**hutter adjustment, according to the type of subject.

**A**perture, or lens adjustment, according to the light condition.

**F**ocusing, according to the distance from camera to subject.

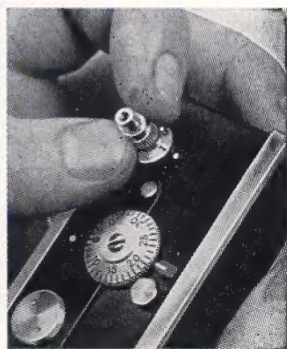
**E**xposure, or taking the picture.

**Think of the word SAFE and you will get into the habit of making each step in the correct order.**



To adjust the shutter, turn speed dial counter-clockwise (to the left) until speed desired is opposite index mark. (See Exposure Guide on opposite page.) Intermediate speeds will result if dial is set between speed figures.

For "bulb" setting, used for longer exposures indoors or at night, turn knurled base of shutter release clockwise (to the right)  $\frac{1}{4}$  turn until "B" is opposite white dot. This indicator must be set at "I" when using shutter speeds on the speed dial.





## OUTDOOR EXPOSURE GUIDE

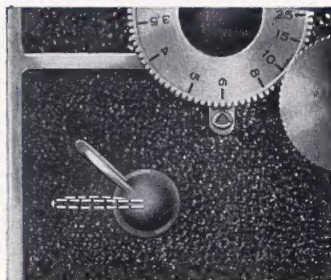
For Average Fast Film Like Kodak Plus X, ANSCO Supreme, etc.

Subject	Brilliant	- Bright	Cloudy-Bright	Cloudy-Dull
Beach, Water and Snow Scenes; Distant Landscapes.	Shutter 1/100 Lens f/16	1/100  f/11	1/100  f/8	1/100  f/5.6
Close-ups in Beach, Water and Snow Scenes; Landscapes with Foreground.	1/100  f/11	1/100  f/8	1/100  f/5.6	1/100  f/4
Pictures of People, Children at Play, Gardens, Houses, Street Scenes.	1/100  f/8	1/100  f/5.6	1/100  f/4	1/50  f/4
All Subjects in Open Shade; Not Under Trees or Porches.	1/100  f/5.6	1/100  f/4	1/50  f/4	1/25  f/4

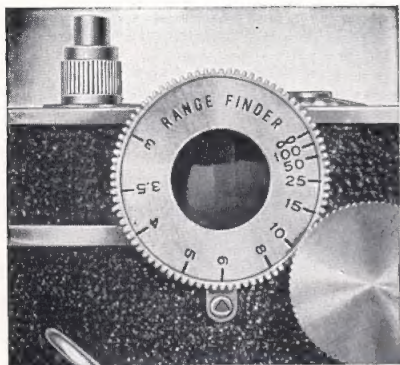
For color see instructions supplied with film

For indoor pictures see instructions supplied with flood and flash bulbs

Argus Model C3 has a gear controlled shutter and must be wound before taking the picture. To do this, press setting lever down as indicated by the dotted lines in the illustration.

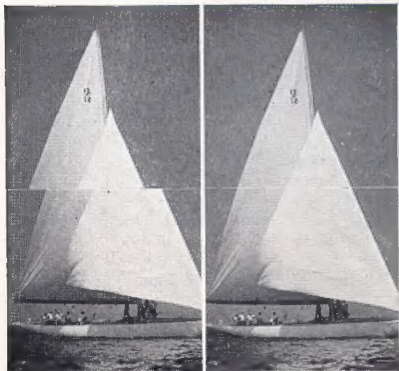


To adjust the aperture (lens opening) rotate aperture scale until correct f number is opposite index line. (See Exposure Guide above.)



The Argus Model C3 is equipped with a range-finder which is coupled to the focusing lens mount. When the range finder is operated, the camera is automatically focused at the same time.

To focus the camera, using the range-finder, look through the right hand eyepiece on the back of the camera, manipulating the knurled range-finder wheel with the right middle or index finger. The illustrations show how.



The view through the range-finder eyepiece appears when the subject is out of focus and correctly focused. It is also possible to "guess focus" Argus Model C3 by estimating the distance and setting this figure (on the knurled range-finder wheel) opposite the index mark.

## DEPTH OF FIELD

The "depth of field" table below indicates the range of sharpness in the picture at different lens and focus settings. For example: With the Model C3 focused on 10 feet, and the lens set at f/16, all subjects between 5' 3", and infinity will appear sharp. By referring to the table, you can readily determine the range of sharpness for any lens and focus settings.

Distance Focused on	f:3.5 Sharply Focused		f:4 Sharply Focused		f:5.6 Sharply Focused		f:8 Sharply Focused		f:11 Sharply Focused		f:16 Sharply Focused	
	From	To	From	To	From	To	From	To	From	To	From	To
3	2' 11"	3' 2"	2' 10"	3' 2"	2' 9"	3' 3"	2' 8"	3' 4"	2' 7"	3' 7"	2' 5"	3' 11"
3.5	3' 4"	3' 8"	3' 4"	3' 10"	3' 2"	3' 10"	3' 1"	4' 1"	3'	4' 5"	2' 8"	5' 1"
4	3' 8"	4' 4"	3' 8"	4' 4"	3' 7"	4' 8"	3' 6"	4' 10"	3' 3"	5' 3"	3'	6' 1"
5	4' 7"	5' 8"	4' 8"	5' 7"	4' 4"	5' 10"	4' 2"	6' 4"	3' 11"	6' 8"	3' 8"	8'
6	5' 5"	6' 9"	5' 3"	6' 11"	5' 1"	7' 1"	4' 9"	8' 2"	4' 5"	8' 8"	4'	13'
8	6' 11"	8' 8"	6' 10"	9' 10"	6' 5"	10' 9"	5' 10"	12' 8"	5' 4"	10' 4"	4' 8"	32'
10	8' 4"	12' 6"	8' 2"	13'	7' 8"	15'	6' 8"	18' 9"	6' 3"	28'	5' 3"	∞
15	11' 8"	22'	11'	23'	10'	32'	8' 9"	55'	7' 9"	∞	6' 2"	∞
25	18' 8"	53'	15' 8"	63'	13' 8"	162'	11' 6"	∞	8' 8"	∞	7' 8"	∞
50	24'	∞	23'	∞	18'	∞	15'	∞	11' 8"	∞	8' 8"	∞
100	32' 2"	∞	29' 6"	∞	23'	∞	17' 4"	∞	13' 2"	∞	9' 5"	∞
∞	47'	∞	41'	∞	29'	∞	28'	∞	15'	∞	18'	∞



## TAKING THE PICTURE



Shown above are the correct methods of holding the Model C3 for vertical (figure 1) and horizontal (figure 2) pictures. After focusing, shift the eye to the left hand eyepiece (viewfinder) and compose the subject the way you want it.

## VERTICAL AND HORIZONTAL



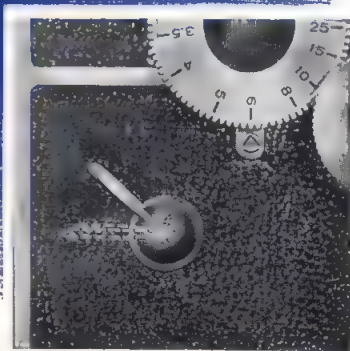
Be sure to hold the camera steady at the moment the picture is taken, and press the shutter release smoothly.



After each picture is taken, make it a practice to wind the film immediately so the camera will be ready for the next picture. Hold down film catch, and turn winding knob slightly. Release film catch and continue to wind as far as knob will turn without forcing.

## WIND & SHUTTER SETTING

Be sure to wind shutter before taking next picture.



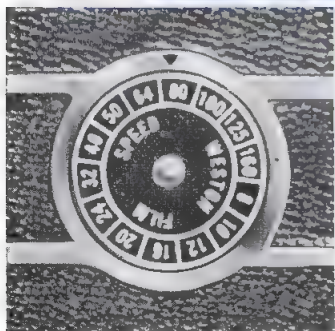


When all pictures have been taken, rewind the film (using knob marked "rewind") back into the film cartridge. Open back of camera as in loading, and remove film cartridge.



## FOR BEST RESULTS

Develop or have the film developed as soon as possible. This will insure better pictures. Keep the camera loaded with film so you will be ready for any picture opportunity.



For convenient reference, a film speed dial is attached to the back of the Model C3. Set it according to the speed of the film you are using and you will always be able to know what speed film is in the camera.

## C3 FLASH UNIT

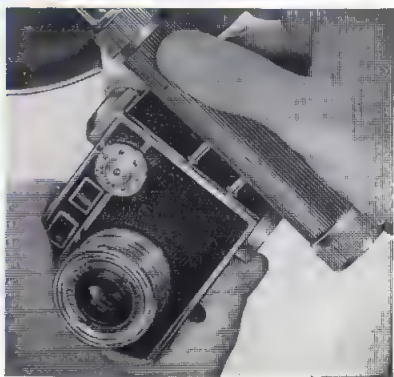
The exposure tables on page 17 have proved satisfactory for average subjects in average rooms . . . medium light colored walls. With light-colored subjects, use one lens stop smaller; with dark-colored subjects, use one lens stop larger.

**Distances in the tables are from flash bulb to subject.**



The Argus Model C3 flash reflector is adjustable according to size of flash bulb and is secured to the battery case by means of the thumb screw as shown in the illustration.

The detachable flash unit plugs into the side of the camera. No other adjustment is necessary. *Caution:* Do not place flash bulb in flash unit until the latter is attached to camera.



# INDOOR FLASH EXPOSURE TABLES

When filament-type flash lamps are used, accurate synchronization is effected at 1/20 to 1/50 second inclusive. 1/30 has proved a popular average for most C3 owners.

When using the so-called gas-type flash lamps (Sylvania SF and General Electric SM) shutter speeds of 1/20 to 1/100 inclusive may be used. The actual flash lasts about 1/200 second, and is sufficiently fast to stop action, regardless of the shutter speed used. Many C3 owners use 1/100.

The tables below indicate proper lens settings for any of the above recommended speeds and are based on manufacturers data.

		DISTANCE IN FEET									
Sylvania	G.E.	3	3.5	4	5	6	8	10	15	25	50

## FILM SPEED: A.S.A. Tungsten Speed 10-16

Kodak Panatomic X Kodachrome Type A

SF	SM	f16	f11	f11	f8	f5.6	f4		
Press 25	No. 11					f16	f11	f8	f4
No. 0	No. 5					f16	f11	f8	f4

## FILM SPEED: A.S.A. Tungsten Speed 20-32

Kodak Verichrome Kodak Plus X Ansco Supreme Ansco Plenachrome

SF	SM				f16	f16	f11	f8	f5.6	f3.5
Press 25	No. 11							f16	f11	f5.6
No. 0	No. 5							f16	f11	f5.6

## FILM SPEED: A.S.A. Tungsten Speed 40-46

Ansco Ultra Speed DuPont Superior No. 3 Kodak Super XX Ansco Superpan Press

SF	SM						f16	f11	f8	f4
Press 25	No. 11							f16	f8	f4
No. 0	No. 5							f16	f8	f4

## Daylight Type Color Film

Press 25B		f16	f16	f11	f11	f8	f5.6	f4		
	No. 5B	f16	f16	f11	f11	f8	f8	f5.6	f3.5	



## REMOVABLE LENS



The Cinar f 3.5 lens on the Argus Model C3 is removable, and may be used on an enlarger.

### CAUTION

Although there is no danger of fogging film in the camera when the lens is removed, be sure to keep the camera in its case or box to prevent foreign matter from getting into the shutter.

## TO REMOVE LENS

- 1 Set the rangefinder dial wheel to the 3 foot position.
- 2 Unscrew cap from idler gear which couples the rangefinder dial wheel to focus mount.
- 3 Remove idler gear by lifting it straight up.
- 4 Unscrew lens from front plate of camera.
- 5 If lens has not been removed from camera for a long period of time, it may take a little exerted effort to unscrew it from the front plate.

## TO REPLACE LENS

- 1 Screw lens into front plate of the camera, turning clockwise until it cannot be turned any farther.
- 2 Turn focusing mount counter-clockwise until the last tooth of the focus mount gear is in position to engage the idler gear.
- 3 Turn rangefinder dial wheel to register one or two teeth less than 3 foot marking on scale and drop idler gear in place.
- 4 Rotate rangefinder dial wheel to stop position at infinity. If it does not reach infinity or goes a little beyond, turn dial wheel back to 3 foot position, remove idler gear and slightly turn rangefinder wheel so idler gear will engage next tooth one way or the other. Again turn rangefinder dial wheel to infinity position and make certain that stop is reached at exactly the position marked infinity.
- 5 Turn rangefinder dial wheel to 3 foot position and install idler gear cap.

## TRIPOD BUSHING



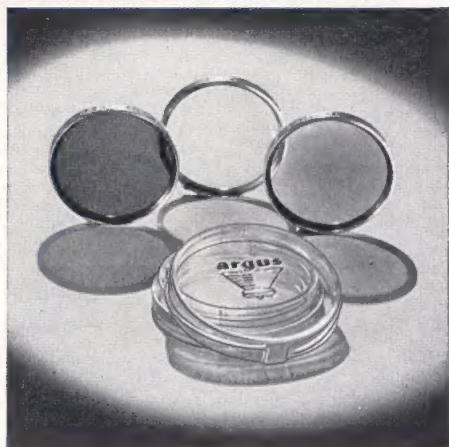
To use a Tripod with Model C3, attach it to the threaded bushing on the base of the camera.

## CABLE RELEASE

Provision is made for using a cable release, if desired. Your Argus Dealer can supply one. The cable release screws into a bushing on top of the camera. It is useful for taking pictures when the "bulb" setting is used.



## OPTICAL GLASS FILTERS



Argus Filters, Portrait Lenses, Copy Lenses and Lens Shades improve the quality of your pictures and increase your camera's versatility. Model C3 accommodates the 18 mm. screw-in type Adapter Ring and 30 mm. Filters, etc.

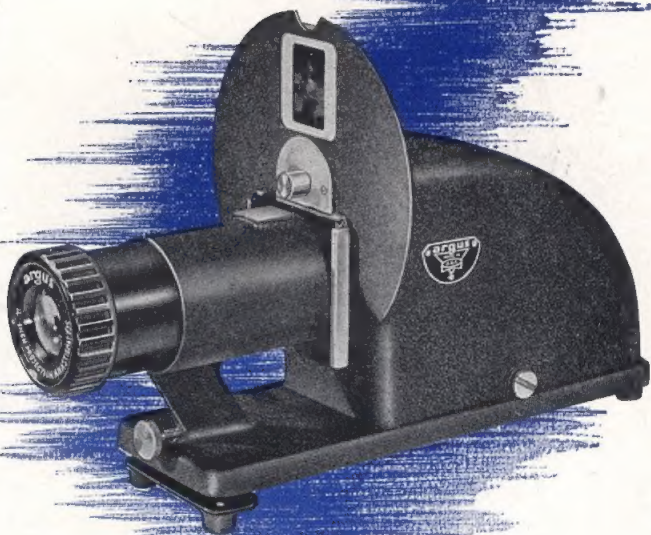


## CARRYING CASE



The Argus Model C3 carrying case is made of the finest quality saddle leather, beautifully stitched and tailored to the camera for a perfect fit. You'll be proud to carry your Model C3 in it. An Argus carrying case protects your camera from hard knocks, from the weather, and provides a convenient means of carrying.

## PROJECTOR



Color transparencies taken with Argus Model C3 appear at their best when projected on a screen with an Argus Projector.

argus



## Guarantee

Your Argus camera was thoroughly inspected and tested before it was shipped from our factory, and when purchased from an *Authorized Argus Dealer*, it is fully guaranteed for one year from the date of purchase against defects in workmanship or material.

If this camera develops defects in material or workmanship during this period, it will be repaired or replaced (our option) without charge.

This guarantee is void in the event the camera has been damaged through accident, misuse, mishandling or for reasons beyond our control.

### IMPORTANT

Authorized Argus Dealers sell new Argus equipment at full list price; used or rebuilt equipment sold at less than list price is not guaranteed by the factory.

**Argus, Inc., Ann Arbor, Michigan**